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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/727,418	12/04/2003	Rishi Nangalia	G08.071	7729	
28062 75	62 7590 04/11/2006		EXAMINER		
BUCKLEY, M	ASCHOFF, TALWAL	CANGIALOSI, SALVATORE A			
5 ELM STREET NEW CANAAN			ART UNIT	PAPER NUMBER	
	•		3621		
			DATE MAN ED AND BOOK		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/727,418	NANGALIA ET AL.				
		Examiner	Art Unit				
		Salvatore Cangialosi	3621				
Period fo	 The MAILING DATE of this communication apport Reply 	pears on the cover sheet with the	correspondence addre	ss			
WHIC - External after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLEMENTS. LONGER, FROM THE MAILING DISTRICT IN THE MAILING DISTRICT DISTRI	ATE OF THIS COMMUNICATION 136(a). In no event, however, may a repty be ting will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. mely filed the mailing date of this comm ED (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 30 J	anuary 2006.					
	☐ This action is FINAL . 2b)⊠ This action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under I	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.				
Dispositi	on of Claims						
4)⊠	4)⊠ Claim(s) <u>1-8,19-26,37,38,43 and 44</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)□	5) Claim(s) is/are allowed.						
6)⊠	6)⊠ Claim(s) <u>1-8, 19-26, 37,38, 43 and 44</u> is/are rejected.						
7)	7) Claim(s) is/are objected to.						
8)□	Claim(s) are subject to restriction and/o	or election requirement.					
Applicati	on Papers						
9)□	The specification is objected to by the Examine	er.					
•	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected to by the Ex	xaminer. Note the attached Office	Action or form PTO-	152.			
Priority u	ınder 35 U.S.C. § 119						
	Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. § 119(a)-(d) or (f).				
a)[a) All b) Some * c) None of:						
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
* 0	application from the International Burea See the attached detailed Office action for a list		ad				
	see the attached detailed Office action for a list	of the certified copies not receive	zu.				
Attachmen	t(s)						
	e of References Cited (PTO-892)	4) Interview Summary					
	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail D 5) Notice of Informal F	ate Patent Application (PTO-15	2)			
	r No(s)/Mail Date	6) Other:	Lioner appropriate (1 10°10)	-,			

Art Unit: 3621

1. The finality of the previous office action is withdrawn.

2. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requires of this title.

Claims 1-8, 37, 38, 43 and 44 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The basis of this rejection is set forth in a test of:
whether the invention produces a useful, concrete, and
tangible result.

For a claimed invention to be statutory, the claimed invention must produce a tangible result.

In the present case, claims 1 or 7 only recite an abstract idea. The recited steps of merely determining to route an order does not a tangible result since all of the recited steps can be performed in the mind of the user or by use of a pencil and paper. These steps only constitute an idea of whether to route an order.

For a claimed invention to be statutory, the claimed invention must produce a useful, concrete, and tangible result. In the present case, the claimed invention order routing determination has no tangible (real-world) result.

In the present case, claims 37 or 43 only recite an abstract idea. The recited medium having steps of merely determining to

route an order does not produce a useful, concrete, and tangible result since all of the recited steps can be performed in the mind of the user or by use of a pencil and paper. These steps only constitute an idea of whether to route an order.

For a claimed invention to be statutory, the claimed invention must produce a useful, concrete, and tangible result. In the present case, the claimed invention, order routing determination, has no tangible (real-world) result.

2. The following is a quotation of 35 U.S.C. > 103 which forms the basis for all obviousness rejections set forth in this Office action:

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

3. Claims 1-8, 19-26, 37,38, 43 and 44 are rejected under 35 U.S.C. 3 103 as being unpatentable over either Waelbroeck et al.

Regarding claim 1, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs.5, 6,

paragraphs 74-96, claims for 827) disclose a method of determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution substantially as claimed. The differences between the above and the claimed invention is the use of the term attributes. It is noted that it is believed that the CTI data shown are functionally equivalent to attributes. It would have been obvious to the person having ordinary skill in this art to provide a similar arrangement for either Waelbroeck et al because the order routing shown in the prior art is equivalent to the claim limitations. Regarding the partial limitations of claim 2, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs.5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations. Regarding the attribute limitations of claim 3, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs.5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations. Regarding the attribute limitations of claim 4, Waelbroeck et al (See abstract,

Art Unit: 3621

Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations. Regarding the attribute limitations of claim 5, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs.5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations. Regarding the attribute limitations of claim 6, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations. Regarding claim 7, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose a method of determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution substantially as claimed. The differences between the above and the claimed invention is the

Art Unit: 3621

use of the term attributes. It is noted that it is believed that the CTI data shown are functionally equivalent to attributes. It would have been obvious to the person having ordinary skill in this art to provide a similar arrangement for either Waelbroeck et al because the order routing shown in the prior art is equivalent to the claim limitations. Regarding the partial limitations of claim 8, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs.5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations. Regarding claim 19, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose a means of determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution substantially as claimed. The differences between the above and the claimed invention is the use of the term attributes. It is noted that it is believed that the CTI data shown are functionally equivalent to attributes. It would have been obvious to the person having ordinary skill in this art to provide a similar arrangement for either Waelbroeck et al because the order routing shown in the prior art is equivalent to the claim limitations. Regarding the partial

Art Unit: 3621

limitations of claim 20, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs.5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations. Regarding the attribute limitations of claim 21, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs.5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations. Regarding the attribute limitations of claim 22, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations. Regarding the attribute limitations of claim 23, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a

Art Unit: 3621

functional equivalent of the claim limitations. Regarding the attribute limitations of claim 24, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations. Regarding claim 25, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose a means of determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution substantially as claimed. The differences between the above and the claimed invention is the use of the term attributes. It is noted that it is believed that the CTI data shown are functionally equivalent to attributes. It would have been obvious to the person having ordinary skill in this art to provide a similar arrangement for either Waelbroeck et al because the order routing shown in the prior art is equivalent to the claim limitations. Regarding the partial limitations of claim 26, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs.5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial

Art Unit: 3621

execution which is a functional equivalent of the claim limitations. Regarding claim 37, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose a medium including the steps of determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution substantially as claimed. The differences between the above and the claimed invention is the use of the term attributes. It is noted that it is believed that the CTI data shown are functionally equivalent to attributes. It would have been obvious to the person having ordinary skill in this art to provide a similar arrangement for either Waelbroeck et al because the order routing shown in the prior art is equivalent to the claim limitations. Regarding the partial limitations of claim 38, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations. Regarding claim 43, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose a medium including the steps of determining during a trading session whether to route and order based on Certified Trading Interest data including

Art Unit: 3621

activity history, full or partial execution substantially as claimed. The differences between the above and the claimed invention is the use of the term attributes. It is noted that it is believed that the CTI data shown are functionally equivalent to attributes. It would have been obvious to the person having ordinary skill in this art to provide a similar arrangement for either Waelbroeck et al because the order routing shown in the prior art is equivalent to the claim limitations. Regarding the partial limitations of claim 44, Waelbroeck et al (See abstract, Figs. 5, 6, paragraphs 62-77, claims 1-38 for 672, and Figs. 5, 6, paragraphs 74-96, claims for 827) disclose determining during a trading session whether to route and order based on Certified Trading Interest data including activity history, full or partial execution which is a functional equivalent of the claim limitations.

Examiner's Note: Although Examiner has cited particular columns, line numbers and figures in the references as applied to the claims above for the convenience of the applicant(s), the specified citations are merely representative of the teaching of the prior art that are applied to specific limitations within the individual claim and other passages and figures may apply as well. It is respectfully requested that the applicant(s), in preparing the response, fully consider the items of evidence in their entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the

Art Unit: 3621

prior art or disclosed by the Examiner.

Note also that Waelbroeck et al (See Page 12, paragraph 110, Page 16, paragraph 134 for 827; Page 1, paragraph 4, Page 2, paragraph 25, Page 11, paragraph 102 for 672) clearly show that ECN or exchanges are contemplated as market participants.

4. The following is a quotation of the first paragraph of 35 U.S.C. 112: The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-6, 19-24, 37,38, rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The specification as originally filed contains no support for "not being any one of:... average response time" (claims 1, 19). There are new claims without support in the specification. This is the first instance of this invention that is unrelated and unsupported by the original filing. Cancellation of the new

matter is required. On page 1, line 21, of the specification, the first two attributes not considered is specified. On page 2, line 8 of the specification response time is one of the attributes which the instant invention considers in routing orders which are the opposite of the claimed invention.

Applicants arguments dated 1/30/06 have been considered but are deemed without merit since the applicant argues an invention lacking support in the specification and based entirely on mew matter.

Any inquiry concerning this communication should be directed to Salvatore Cangialosi at telephone number (571) 272-6927. The examiner can normally be reached 6:30 Am to 5:00 PM, Tuesday through Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trammell, can be reached at (571) 272-6712.

Any response to this action should be mailed to:

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

or faxed to (571)273-8300

Hand delivered responses should be brought to

United States Patent and Trademark Office Customer Service Window Randolph Building 401 Dulany Street Alexandria, VA 22314

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 3600 Customer Service Office whose telephone number is (571) 272-3600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at &66-217-9197 (toll-free).

SUPERVISORY PATENT EXAMINE:
TECHNOLOGY CENTER 3800

ALVATORE CANCIALOS PRIMARY EXAMINER ART UNIT 222

13